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Editorial

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I am happy to announce the publication of the inaugural issue of International Journal of Image Processing and Vision Sciences (IJIPVS) which provides the latest industry findings useful to academicians, researchers, and practitioners regarding the latest developments in the areas of science and technology of machines, imaging, and their related applications, systems, and tools. This journal contains unique articles of original, innovative research in the area of computer science, education, security, government, engineering disciplines, software industry, vehicle industry, medical industry, and other fields. IJIPVS is intended as an effective medium to spread the results of high quality applied research and fundamental, theoretical, particularly in the domain of computer vision and image interpretation. For this issue, a number of good quality articles have been received from various authors. Out of more than fifty papers, we have accepted fifteen papers after peer review process, for publication in this inaugural issue of IJIPVS. .

The first paper entitled "Singular Value Decomposition Based Image Coding for Achieving Additional Compression to JPEG Images" by Rehna. V. J and et. al. have presented a well studied singular value decomposition based JPEG image compression technique where an attempt is made to implement this method of factorization to perform second round of compression on JPEG images to optimize storage space.

The second paper entitled "CBIR System Using Color Histogram and Wavelet Transform for Blood Cells Images" by C.Rubina and et. al. have presented an investigative performance of descriptors of blood cell image retrieval used where traditional wavelet based and global color histogram process is investigated.

The next paper entitled "Handwritten kannada vowels and English character Recognition System" by B.V. Dhandra and et. al. have presented recognition algorithm where a zone based features are extracted from handwritten Kannada Vowels and English uppercase Character images.

The fourth paper entitled "Similarity Measures for Automatic Defect Detection on Patterned Textures" by V. Asha presents various similarity-based methods for defect detection on patterned textures using five different similarity measures including Normalized Histogram Intersection Coefficient, Bhattacharyya Coefficient, Pearson Product-moment Correlation Coefficient, Jaccard Coefficient and Cosine-angle Coefficient.

The next paper entitled "A novel approach for Face Recognition using Local Binary Pattern" by Sonal R. Ahirrao and et. al. have presented Local Binary pattern (LBP) as an approach for face recognition with the use of some global features.

The sixth paper entitled "Machine Learning Approach for Smile Detection in Real Time Images" by Harsha Yadappanavar and et. al. have proposed a method for detecting Smile in real time Images by machine learning approach and the author has claimed that they have tested on several Images from different databases.

The next paper entitled "Illumination Insensitive Face Recognition Using Gradient faces" by Raghu. C. N and et. al. have proposed a novel method called gradient face for face recognition under varying illumination.

Vinod Kumar and et. al in their paper entitled "A Hybrid Filter for Image Enhancement" . have proposed a hybrid filter with removing the impulse noise and blurredness simultaneously from the images which is a combination of wiener filter and median filter.

The ninth paper entitled "Quality-Adaptive sharpness enhancement and noise removal of a colour images based on the bilateral filtering" by V. Durgarchana and et. al. have presented the Adaptive Bilateral Filter (ABF) for sharpness enhancement and noise removal of a colour images.

The next paper entitled "A Modified Neural Network system based on Morphological operations for detection of

images with variation in Gray level intensity and facial expressions" by Pratibha Rani and et. al. have introduced an algorithm based on the morphological shared-weight neural network which extract the features and then classify images with variation in Gray level intensity and facial expressions.

The eleventh paper , "A Hybrid Filter with Impulse Detection for Removal of Random Valued Impulse Noise from Colour Videos", written by S.Anusha Hemanth Kumar , S.K.P.Chaitanya et.al have presented a three dimensional hybrid filter to remove random valued impulse noise from colour video sequences.

The last paper in this issue entitled "Performance Analysis of 802.16/e for Image Transmission" by Vivek Jaysukhlal Maradia and et. al. have presented the designed and implement for modeling and simulation performance of image transmission based on Worldwide Interoperability for Microwave Access (Wi-MAX) using MATLAB/SIMULINK and hardware implementation via Xilinx Spartan - II based FPGA trainer model.

I wish the reader shall get immense benefit out of the research publication. I welcome the author to contribute more articles in the future issues of IJIPVS.

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